TECHNICAL DATA SHEET

CyFlow™ CD69 PerCP
Anti-Hu; Clone FN50

REF **CE968774**

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CD69
Alternative Names	AIM, VEA
Clone	FN50
Clonality	monoclonal
Format	PerCP
Host / Isotype	Mouse / IgG1
Species Reactivity	Human
Negative Species Reactivity	—
Quantity	100 tests
Immunogen	Anti-µ-stimulated human B lymphocytes

Specificity

The mouse monoclonal antibody FN50 recognizes CD69 antigen, a lymphocyte early activation marker

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Application

The reagent is designed for Flow Cytometry analysis of human blood cells. Recommended usage is 10 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

Other usages may be determined from the scientific literature.

Storage Buffer

The reagent is provided in stabilizing phosphate buffered saline (PBS) solution, pH ≈7.4, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

CD69 (CLEC2C; C-type lectin domain family 2 C or AIM) is one of the earliest inducible cell surface molecules acquired during leukocyte activation. This glycoprotein serves as a lectin-type receptor in lymphocytes, NK cells and platelets; it is involved in lymphocyte proliferation. CD69 expression is counteracted on T cells in the AIDS stage of HIV infection, and may be also predictive for clinical response to chemoimmunotherapy.

References

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The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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